In the Claims

Please cancel claims 1-26.

Please add the following new claims 27-45.

Claim 27 (New): An allergenic food protein with reduced allergenicity comprising at least one disulfide bond reduced by thioredoxin, nicotinamide adenine dinucleotide phosphate-thioredoxin reductase and NADPH, or dithiothreitol, and subsequently reacted with a physiological disulfide for a time and under conditions where reoxidation of at least one reduced disulfide bond is minimized.

Claim 28 (New): The allergenic food protein of claim 27 wherein the allergenic protein is selected from the group consisting of cow's milk, egg, soy, rice, wheat, barley, peanut and pollen proteins.

Claim 29 (New): The allergenic food protein of claim 27 wherein the physiological disulfide is cystamine or oxidized glutathione.

Claim 30 (New): An allergenic food with reduced allergenicity comprising at least one allergenic protein, wherein the allergenic protein in the food with reduced allergenicity has at least one disulfide bond reduced by thioredoxin, nicotinamide adenine dinucleotide phosphate-thioredoxin reductase and NADPH, and subsequently reacted with a physiological disulfide for a time and under conditions where reoxidation of at least one reduced disulfide bond is minimized.

Claim 31 (New): The allergenic food of claim 30 wherein the allergenic food is selected from the group consisting of cow's milk, egg, soy, rice, wheat, barley, peanut and pollen.

Claim 32 (New): The allergenic food of claim 30 wherein the physiological disulfide is cystamine or oxidized glutathione.

Claim 33 (New): An allergenic protein with reduced allergenicity comprising at least one disulfide bond reduced by thioredoxin, nicotinamide adenine dinucleotide phosphate-thioredoxin

reductase and NADPH, or dithiothreitol, or lipoic acid, and subsequently reacted with a physiological disulfide for a time and under conditions where said allergenic protein with reduced allergenicity is stabilized.

Claim 34 (New): The allergenic protein of claim 33 wherein the allergenic protein is selected from the group consisting of cow's milk, egg, soy, rice, wheat, barley, peanut and pollen protein.

Claim 35 (New): The allergenic protein of claim 33 wherein the physiological disulfide is cystamine or oxidized glutathione.

Claim 36 (New): An allergenic food protein with reduced allergenicity comprising at least one disulfide bond reduced and blocked with a physiological disulfide.

Claim 37 (New): The allergenic food protein of claim 36 wherein the allergenic food is selected from the group consisting of cow's milk, egg, soy, rice, wheat, barley, peanut and pollen protein.

Claim 38 (New): The allergenic food protein of claim 36 wherein the physiological disulfide is cystamine or oxidized glutathione.

Claim 39 (New): The allergenic food protein with reduced allergenicity of claim 36 further comprising exogenously added thioredoxin and nicotinamide adenine dinucleotide phosphate-thioredoxin reductase.

Claim 40 (New): The allergenic food protein with reduced allergenicity of claim 39, wherein the thioredoxin and nicotinamide adenine dinucleotide phosphate-thioredoxin reductase are heterologous to the allergenic food protein.

Claim 41 (New): An allergenic food with reduced allergenicity comprising at least one allergenic protein, wherein the allergenic protein in the food with reduced allergenicity has at least one disulfide bond reduced and blocked by a physiological disulfide.

Claim 42 (New): The allergenic food of claim 40 wherein the allergenic food is selected from the group consisting of cow's milk, egg, soy, rice, wheat, barley, peanut and pollen.

Claim 43 (New): The allergenic food of claim 40 wherein the physiological disulfide is cystamine or oxidized glutathione.

Claim 44 (New): The allergenic food with reduced allergenicity of claim 41 further comprising exogenously added thioredoxin and nicotinamide adenine dinucleotide phosphate-thioredoxin reductase.

Claim 45 (New): The allergenic food with reduced allergenicity of claim 44, wherein the thioredoxin and nicotinamide adenine dinucleotide phosphate-thioredoxin reductase are heterologous to the allergenic food protein.